

WHAT IS CLAIMED IS:

1. A device for mounting a component on a threaded stud, wherein the device comprises:

a main body section with a bore for inserting a stud;

a component mounting section, and

a plurality of pawls extending from an inner wall of the bore in a direction perpendicular to the axis of the bore, wherein

each of the pawls has a flexible thin section connected to the inner wall of the bore and a thick section extending from the thin section, wherein a pair of engaging sections for engaging threads of the stud are formed at the end of the thick section, and a pair of grooves are formed adjacent to the engaging sections for engaging threads, wherein the length (B) of the thick section of the pawls is greater than $1/2$ the difference (A) between the inner diameter of the inner wall and the outer diameter of the stud, wherein the direction of the centerline of the pawls after mounting forms an angle β substantially less than 90° with respect to the direction of the centerline of the pawls before mounting, and wherein the pawls can be bent in opposite directions at the thin sections for mounting on the stud from two directions.

2. A device for mounting a component on a threaded stud in accordance with claim 1, wherein a tip of each engaging section is arcuate so as to conform to the curvature of the threads.

3. A device for mounting a component on a threaded stud in accordance with claim 1, wherein the grooves are arcuate so as to conform to the curvature of the threads.

4. An attachment device for a threaded stud, comprising a body having a bore for receiving the stud and a pawl connected by a hinge to an inner wall of the bore, wherein the pawl has a centerline extending in a direction substantially perpendicular to the axis of the bore before insertion of the stud in the bore and forming an angle of substantially less than 90° with respect to that direction after insertion of the stud in the bore, and wherein the pawl has an engaging section that enters a space between successive crests of threads of the stud and has an adjacent groove that receives one of the crests of the thread.

5. An attachment device according to Claim 4, wherein the engaging section and the groove are formed on a section of the pawl substantially thicker than a section of the pawl forming the hinge.

6. An attachment device according to Claim 5, wherein there are a pair of the engaging sections and a pair of the grooves at opposite sides of the thicker section of the pawl, whereby an engaging section and a groove can engage the threaded stud irrespective of the direction of insertion of the stud into the bore.

7. An attachment device according to Claim 6, wherein tips of the engaging sections, and the grooves, are arcuate to conform to the curvature of the threads of the stud.

8. An attachment device according to Claim 7, wherein there are a pair of the pawls at opposite sides of the bore at positions staggered axially of the bore.